



# Certificate of Compliance

**Certificate:** 70043714

**Master Contract:** 203213

**Project:** 80158407

**Date Issued:** 2023-02-18

**Issued To:** Fronius International GmbH  
Guenter Fronius Strasse 1  
Wels-Thalheim, Upper Austria, 4600  
Austria

**Attention:** Josef Feichtinger

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*

**Issued by:** *Peter Lim*  
Peter Lim



## PRODUCTS

CLASS – 5311 09 - POWER SUPPLIES Distributed Generation Power Systems Equipment  
CLASS – 5311 89 - POWER SUPPLIES - Distributed Generation Power Systems Equipment - Certified to U.S. Standards

Transformerless Special Purpose Grid Support Interactive Inverter, Models Fronius Primo 10.0-1 208-240, Fronius Primo 10.0-1 208-240 Lite, Fronius Primo 11.4-1 208-240, Fronius Primo 11.4-1 208-240 Lite, Fronius Primo 12.5-1 208-240, Primo 12.5-1 208-240 Lite, Fronius Primo 15.0-1 208-240, and Fronius Primo 15.0-1 208-240 Lite permanently connected.

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record, Annex A Rating for Certificate of Conformance.



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**APPLICABLE REQUIREMENTS**

CSA-C22.2 No.107.1-16 *UL Std No. 1741-Third Edition	Power Conversion Equipment Inverters, Converters, Controllers and Interconnection System Equipment For Use With Distributed Energy Sources (Rev. September 28, 2021)
UL Std No. 1741 CRD	Non-Isolated EPS Interactive PV Inverters Rated Less Than 30kVA (Dated April 26, 2010)
UL 1699B	Outline of Investigation for Photovoltaic (PV) DC Arc-Fault Circuit Protection (Issue Number 2, January 14, 2013)
CSA-C22.2 No. 290:19	Photovoltaic combiners and recombiners (2 <sup>nd</sup> Edition, July 2019)
CSA C22.2 No.292-18	DC Arc Fault Protection for Photovoltaic Applications

**\*Note:** Conformity to UL 1741-Third Edition (Rev. September 28, 2021) includes compliance with applicable requirements of UL1741 Supplement SA8 to SA15 - GRID SUPPORT UTILITY INTERACTIVE INVERTERS AND CONVERTERS, California Rule 21(SRDs), Hawaiian Electric Co. Rule 14, Hawaiian Electric Co. SRD-UL-1741-SA-V1.0, IEEE 1547:2003, IEEE1547a and IEEE 1547.1:2005

**Notes:**

Products certified under Class C531109 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)





## Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.*

### Product Certification History

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Project	Date	Description
80158407	2023-02-18	Update report 70043714 to include alternate Fuseholder, Line to ground cap, opto isolator, PTC, alternate fan, and Current sensor
80139526	2022-09-08	Update report 70043714 to include the "Lite" models. The only difference is that the WILMA2 card is not included at the Lite version. Lite versions have no impact to software and hardware.
80106345	2022-03-31	Update report 70043714 to include software bugfixes and some alternative components.
80048720	2020-07-27	Update report 70043714 to include new RECEBRO Firmware revision number for the increase in programing initialization timing from 80ms to 125 ms to accommodate hardware tolerances. The change on this parameter has no impact on grid tie and factory testing except factory programing's initialization timing. Assuming no testing is required.
80045323	2020-06-25	Update report 70043714 to include an alternate MCUs which is identical to the original model STM32F405 except alternate Micro STM32F407 has two additional features(I.e. Ethernet + camera interface which are not deployed), firmware version remains the same. Assume no further testing is deemed necessary.
70163420	2017-12-21	Update Report 70043714 to Evaluate Firmware Changes That Address Software Bugs Associated with Power Stage Changes Issues
70130882	2017-09-22	Update Primo Series (10KW-15KW) Report 70043714 to include new UL1741 SA Visit 2; 3 weeks on site, September 4 -22)
70091567	2016-09-15	Update report 70043714 to include firmware revision and acceptance of test data under the CSA SMTC program.
70065234	2016-06-10	Update report 70043714 (PRIMO 10KW to 15KW) to include hardware alterations, roach firmware revision, and acceptance of CSA SMTC test data.



70053092	2015-12-24	Update report 70043714 (PRIMO 1P15 Series) to include firmware revision and acceptance of SMTC data.
70043714	2015-10-14	Fronius Primo 1P15 Series (up to 15kW). Travel costs shared (15 days of witness testing in Wels Austria, Sept 14 to Oct 2) between 5 other projects.
70130883	2010-09-27	Update Symo Series Report 70050250 to include new UL1741 SA Visit 2; 3 weeks on site, September 4 -22)